H_2O *PLUS* Series
Electronic Dog Trainer
Owner's Manual

- H_2O 1810 *PLUS*
- H_2O 1820 *PLUS*
- H_2O 1830 *PLUS*
- H_2O 1850 *PLUS*

D.T. Systems, Inc.

NOTICE!

According to how you use your transmitter, the transmitting range might be much different.

You will have more range if you use your transmitter apart from your body as follows:

Maximum Range

Typical Range

Minimum Range

TABLE OF CONTENTS

- Table of Contents 3
- Introduction 4
- Package Contents 5
- Model Features 6
- Parts & Functions 7
- Charging the Batteries 12
- Turning ON and OFF 13
- Testing 14
- Programming the Collar 16
- Properly Fitting the Collar 17
- Setting Intensity Levels 18
- Maintenance 20
- Important Safety Notes 21
- Warranty 22
- FCC Compliance 23
- Contact Information 24

INTRODUCTION

Congratulations and thank you for purchasing our **H_2O *PLUS* Series ™** Training Collar with "Add-On" capability. It offers the Maxx-Range™ Internal Antenna System, the industry's only internally woven antenna in the collar. With up to a one mile range, they are perfect for hunting, basic obedience, and professional training. H_2O *PLUS* series collars feature sixteen levels of intensity easily selected by one hand for maximum control and safety. Each model includes both Momentary "Nick" and Continuous stimulations. Additional features include Positive Vibration, Jump stimulation, Rise stimulation, and a Beeper with Locate, Run & Point mode, and Point Only mode. The transmitter and collars are both 100% waterproof. The transmitter FLOATS on water and the collar can be worn even when the dog is submerged. The H_2O *PLUS* Series Dog Training Collar is durable, safe, and very humane when used correctly. The automatic safety shut-off feature stops the stimulation after 8 seconds to prevent accidental or prolonged stimulation. Thanks again for choosing D.T. Systems to help bring out the best in your best friend!

IMPORTANT NOTE:

Please read this owner's manual in its entirety before operating this unit. Should you have any questions about our collars or their operation please contact our Customer Service department (see back page for address and phone number information).

PACKAGE CONTENTS

- Transmitter
- Collar Receiver
- Antenna for the Transmitter
- Rechargeable NiMH Batteries for both the Collar and Transmitter (already installed)
- Battery Charger
- Splitter Cable for simultaneous charging
- Test Light
- Owner's Manual
- Carrying Case

MODEL FEATURES

H_2O *PLUS* Series

- Digital Technology
- Up to one mile range
- Expandable to 2- or 3-dog* system with H_2O Add-On collar units (sold separately)
- Lightweight, waterproof collar and transmitter
- No-Slip/Soft-Grip transmitter *FLOATS* on water!
- 16 adjustable intensity levels of Momentary ('Nick') Stimulation and Continuous Stimulation
- MAXX-Range™ Internal Antenna System in collar belt
- Rechargeable NiMH battery system
- Gentle Touch System™ Extra Mild Stimulation
- Built in safety shut-off system
- Positive Vibration (H_2O 1820 *PLUS* only)
- Jump feature makes intensity level instantly "jump" to a user-programmed intensity level (H_2O 1830 *PLUS* only)
- Rise feature gradually increases stimulation level while the "Rise" button is being held down (H_2O 1830 *PLUS* only)
- Three Beeper functions - Locate, Run & Point mode, Point Only mode (H_2O 1850 *PLUS* only)

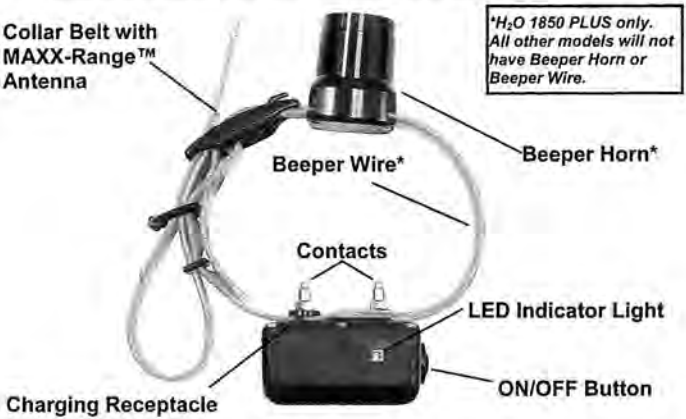
*** H_2O 1850 *PLUS* can expand to a 2-dog model. All other H_2O *PLUS* models can expand up to a 3-dog model.**

PARTS & FUNCTIONS

*The H_2O 1810 *PLUS* will not have the #1 or #2 buttons.

Transmitter

PARTS & FUNCTIONS


Collar Belt with MAXX-Range™ Antenna
*H2O 1850 PLUS only. All other models will not have Beeper Horn or Beeper Wire.
Beeper Horn*
Beeper Wire*
Contacts
LED Indicator Light
ON/OFF Button
Charging Receptacle

Collar Receiver

PARTS & FUNCTIONS

Intensity Selection Dial

The intensity selection dial can be set from level 1 to level 16 to find the exact stimulation level for your dog (see *page 18*).

Transmitter Indicator Light

When one of the buttons on the transmitter is pushed, the Red LED light will turn on to indicate that the transmitter is being operated. When the battery needs charging, the Red LED light will blink rapidly after pressing any transmitter button. The Red LED light will stay on solid while plugged into the charger.

PARTS & FUNCTIONS

Transmitter Antenna

Be sure to check that the antenna is securely fastened to the transmitter before each use. Hand tighten only. Use care when attaching antenna. Over-tightening may cause damage to the antenna or antenna mount.

Momentary and Continuous Stimulations

Pressing the upper button will make the collar give a Momentary (or 'Nick') Stimulation. Pressing the lower button gives a Continuous Stimulation. *These buttons are the same on every model of the H_2O series.*

Collar Selection Switch

Switching between collar units can be controlled by moving the toggle selection switch to the desired unit.

Vibration Buttons
(H_2O 1820 *PLUS* only)

Pressing the button on the left (#1) of the transmitter will make the collar vibrate only. Pressing the button on the right (#2) of the transmitter will make the collar vibrate only for half a second, and then adds simultaneous Continuous Stimulation to the Vibration.

Jump Button
(H_2O 1830 *PLUS* only)

Pressing the button on the left (#1) of the transmitter will make the collar give a 'Jump' Stimulation. This feature makes the intensity level instantly "jump" to a user-programmed intensity level (see *page 19*).

Rise Button
(H_2O 1830 *PLUS* only)

Pressing the button on the right (#2) of the transmitter will make the collar give a stimulation that gradually increases in intensity level the longer the 'Rise' button is pressed.

Locate and Run/Point Buttons
(H_2O 1850 *PLUS* only)

Pressing the 'Locate' button on the left side (#1) of the Transmitter will make the Collar Receiver beep. Pressing the 'Run/Point' button on the right side (#2) of the Transmitter will activate the Run & Point mode on the Collar Receiver. Pressing the button again will change the mode to the Point Only mode. Pressing the 'Locate' button will cancel the Run/Point modes.

Battery Charging Receptacles

The battery charging receptacles are located on the side of the Transmitter and on the side of the Collar Receiver facing the dog's neck. After charging, always close the jack with the rubber plug to prevent foreign particles from getting inside the unit.

NOTE

The unit is still waterproof even if water gets into the charging receptacle. However, if water should get in, we recommend rinsing out the charging receptacle and allowing it to dry, especially after use in salt water. This will prevent premature corrosion in the metal pins inside that make contact with the charger plug.

Collar Indicator Light

When the Collar Receiver is turned on, the Red LED light will flash steadily once every two seconds to indicate that the unit is active. The Red LED light changes to a rapid flash when the battery is in need of charging. The Red LED light stays lit while plugged into the charger.

Contacts

Contacts should fit snugly against the dog's neck to ensure good contact with the skin. For more information on the proper fit of the collar, see *page 17*.

Beeper Horn
(H_2O 1850 *PLUS* only)

The Beeper horn is attached to the collar belt. It will emit a loud tone audible from up to 450 yards away.

Collar Belt with MAXX-Range™ Antenna

The embedded collar antenna is woven into the collar belt, and runs along the entire length of the belt.

CAUTION

If your collar belt is too long , we recommend looping the excess collar belt back around through the buckle. We DO NOT recommend cutting the collar belt. Cutting the collar belt too much will drastically reduce the range of your collar unit. However, the collar belt can be cut up to about 3 inches without affecting the range too much.

CHARGING THE BATTERIES

All **H_2O *PLUS* Series** ™ units are equipped with rechargeable Nickel Metal Hydride (NiMH) batteries. NiMH batteries are not memory sensitive and do not require depletion before recharging.

The batteries come partially charged from the factory. However, it is recommended that the batteries are given a full charge (about 12 hours) before initial use.

Remember - Always keep batteries away from flammable substances (especially when charging).

When storing the unit for long periods, remember to regularly give the batteries a full charge (12 hours) and test your unit once every 4 to 6 weeks.

Battery Charging Procedure

1. Make sure the unit is off.
2. Plug the charger into a standard electrical outlet.
3. Connect the splitter cable to the charger and plug the ends into the appropriate units (small end in transmitter, large end in collar).
4. Charge the batteries for up to 12 hours. This can be done either separately or simultaneously.
5. After charging, disconnect the battery charging cables from the receptacles, securely replace the rubber battery receptacle covers, and test unit.

WARNING: DO NOT CHARGE WHILE UNIT IS WET!

CHARGING THE BATTERIES

NOTE

Rechargeable batteries typically last about 2-5 years on average depending on use and care. Do not overcharge your unit (12 hour maximum charge time). Do not store your unit without a charge for extended periods of time. Do not store your unit in extreme heat/cold or moist/humid conditions.

TURNING ON AND OFF

The Transmitter is always in a permanent sleep state. It is only ON when a button is being pressed and does not need to be turned off by the user.

Turning the Collar Unit On:

Press and hold the On/Off button. The Red LED Indicator will light solid for a second. Release the button when the LED light begins to flash. The unit is now ON, and the LED light will flash approximately every two seconds.

Turning the Collar Unit Off:

Press and hold the On/Off button. The Red LED Indicator will light solid for a second. Release the button when the LED light begins to flash. The unit is now OFF, and the LED will no longer flash.

NOTE

If the Red LED light on the transmitter flashes rapidly after any button is pressed, or if the LED light on the collar unit flashes rapidly while ON, the unit will need to be recharged. If the LED light flashes rapidly soon after a full charging session, the rechargeable batteries may need to be replaced.

TESTING

NOTE: Before testing, make sure that both units are fully charged and the power to the Collar Receiver is "ON".

To Test the Electronic Stimulation:

A) Place the tester firmly on the contacts of the Collar Receiver.
B) Set the intensity (note - an intensity level setting of 4 or less might not be enough to light the tester).
C) Push the 'NICK' or 'CONT' button.
D) The tester light will quickly flash once when the Nick button is pushed and light repeatedly when the Continuous Stimulation button is pushed (the test light will be brighter at higher intensity levels).

To Test the Vibration:
(H_2O 1820 *PLUS* only)

A) Press the button on the left side of the transmitter (Vibrate button) and the collar unit will vibrate only.
B) Press the button on the right side of the transmitter (Vib.+Stim. Button) and the unit will vibrate only for 1/2 a second. The tester will then light while vibrating at the same time.

To Test the Jump:
(H_2O 1830 *PLUS* only)

A) Press the button on the left side of the transmitter (Jump button) and test light brightness will reflect the user-programmed Jump level (see *page 19*).
B) The intensity level will return to its original setting when the Jump button is released.

TESTING

To Test the Rise:
(H_2O 1830 *PLUS* only)

A) The Rise feature will gradually increase the intensity level starting from the level set on your dial. To see a greater range of intensity change, set the intensity dial to a lower level.

B) Press and hold the button on the right side of the transmitter (Rise button) and the test light will get brighter as the button is held.

To Test the Beeper:
(H_2O 1850 *PLUS* only)

A) Press the button located on the left side of the transmitter (Locate button). The collar will beep any time this button is pressed.

B) Press the button on the right side of the transmitter (Run/Point button) to activate the Run & Point mode. Press the button again to change to Point Only mode. In the Run & Point mode, the collar will beep every 4-5 seconds while shaking the collar unit (simulating a dog on the run), and every 1-2 seconds when keeping the collar unit motionless (simulating your dog on point). In the Point only mode, the collar will beep only when the collar unit remains motionless.

C) Press the 'Locate' button to cancel these modes.

NOTE: If the collar unit is not responding to any signals from the transmitter, the collar may need to be reprogrammed to the transmitter (see *page 16*).

PROGRAMMING THE COLLAR

When adding an "Add-On" collar, the collar will need to be programmed to the transmitter. If your current collar unit is not responding to the transmitter, it may also need to be reprogrammed to the transmitter.

1. Select the desired Collar Selecting Switch position on the transmitter.
2. Press and hold the power button on the collar like the collar unit is being turned ON.
3. A small red light inside the Collar Receiver will light up solid for about 1 second, followed by several flashes. Do not let go of the button during this step.
4. Continue to hold the button until the LED light stays on solid. The Collar Receiver is now in the Code Running Mode (the LED light will stay lit for approximately 8 seconds while it is in this mode).
5. Release the Collar Receiver button and press the NICK and CONT buttons simultaneously while it is in the Code Running Mode.
6. When the LED light blinks 3 times, the Collar ID is programmed and the Collar Receiver is now ON.

NOTE – Do not release the button on the Collar Receiver until after the LED light stops flashing and stays on solid or the Collar Receiver will not go into the Code Running Mode. The NICK and CONT buttons must be pressed simultaneously while the LED light is lit solid or the Collar Receiver will not be programmed.

PROPERLY FITTING THE COLLAR

NOTE: Proper collar tightness and position are very important to insure safe and consistent collar use.

All electronic collars need to be very snug around the dog's neck to work properly. They must be just tight enough to allow the "contacts" or electrodes to make good contact on your dog's skin. If the collar is too loose, the stimulation may not work properly because good/consistent skin contact is not being achieved. This can directly affect the performance of the collar unit and whether or not the dog will receive the stimulation. Always check for good contact to the skin if it appears that your dog is not responding to the stimulation. A loose collar can also result in skin irritations from moving or rubbing too much against your dog's neck while they are running or training. A proper fit will help prevent this from occurring.

- Place the collar unit high and tight on your dog's neck with the collar receiver box centered below the neck. Placing it at the wider base of the neck can let it travel up to the narrower part of the neck while your dog is moving, loosening as it goes.
- It should be tight enough to fit two fingers between the collar belt and your dog's neck, but not tight enough to restrict your dog's breathing.

SETTING THE INTENSITY LEVEL

It is very important to set the correct intensity level on your H_2O *PLUS* Training System before beginning your training sessions to provide the proper level of stimulation without over-stimulating your dog.

To do this, place the Intensity Selection dial so that the system is set on Level 1. Turn on the Collar and then fit it properly around your dog's neck. Press either the 'NICK' or the 'CONT' Button and check for a reaction. Indications of your dog feeling the stimulation include outward signs of discomfort or confusion on it's face, ears perking up, changes in tail movements, etc. Increase the Intensity Level in increments of one until the dog feels the stimulation. At this point, increase the Intensity Level by one or two. This should be your dog's ideal training level. **(Note: Some dogs may require more or less stimulation depending upon their individual temperament and/or size.)**

Using the Rise Stimulation: (H_2O 1830 *PLUS* only)

The Rise function will gradually increase your current intensity level up to the maximum intensity level (level 16) while the rise button is being pressed. The intensity level will return to its original setting when the button is released. This can essentially let your dog determine the correct intensity level for any situation by letting him choose which level to respond to once it rises to that level. **CAUTION:** Do not press and hold unless you can see your dog's actions/reactions.

SETTING THE INTENSITY LEVEL

Jump stimulation is a great feature when regularly using two different stimulation levels in training. It is also a great safety tool for emergency situations when your dog is excited and cannot feel or ignores the normal intensity level. Pressing the Jump button directly rather than increasing the intensity level manually will save precious time during these situations when your dog may be heading towards imminent danger.

Setting the Jump Stimulation Level:
(H_2O 1830 *PLUS* only)

1. Set the intensity level to your desired Jump level.
2. On the transmitter, press and hold buttons #1 and #2 ('Jump' and 'Rise' buttons) simultaneously.
3. When you see the LED flashing, release both buttons. The number of times the LED light flashes represents the newly programmed Jump Stimulation level.

The Jump intensity setting will stay at this level until a different Jump level is programmed. Changing your normal intensity level will not affect the Jump setting. When applying the Jump stimulation, the intensity level will return to its normal setting when the Jump button is released.

CAUTION

To avoid accidentally stimulating your dog, please make sure that the collar is NOT on the dog *while setting the jump level.* If the two buttons are not pushed at the EXACT same time, you will run the risk of emitting a stimulation.

MAINTENANCE

It is very important to periodically clean your **H_2O *PLUS* Series** ™ systems for maximum performance. Regular cleaning will also lengthen the life of your unit.

- Clean the **H_2O *PLUS* Series** ™ collar box with lukewarm water and a mild anti-bacterial soap.
- Take care to thoroughly clean the space between the electrodes and the belt.
- The belt and buckle should be cleaned with water and a mild soap then allowed to dry completely.
- Always allow the entire unit to completely dry before using.

NOTE

It is recommended that the collar unit be rinsed with fresh, clean water after use in wet conditions, especially salt water.

To get the maximum performance and life out of your rechargeable batteries:

- Do not charge your batteries for more than 12 hours at a time.
- Fully charge and test your unit about once a month when storing your unit for an extended period of time.
- Do not store your unit in extremely hot or cold conditions.
- Store your unit in a dry environment.

IMPORTANT SAFETY NOTES

- Before training, your dog should be examined by a veterinarian to assure that your dog is in good health.
- **Never leave your dog unattended with the unit on.** Since no electronic device is perfect, there is a very slight possibility that your dog may receive an unintentional electric stimulation.
- Your **H_2O *PLUS* Series** ™ training collar is a very valuable tool if used correctly. It is extremely important that you completely understand all the functions of the collar and how to properly train with it before placing it on your dog.
- The electrodes on this collar are made with high grade stainless steel to help prevent any chemical or allergic reactions with your dog's skin.
- **To prevent neck irritations, the collar should never be worn for more than 12 hours a day.** Changing the collar location on the dog's neck daily will also help prevent irritations. It is important to keep the collar clean. Clean the electrodes regularly with a mild anti-bacterial soap.
- If an irritation is found, carefully wash the dog's neck with soap and water and then wipe the area with Hydrogen peroxide. Dry thoroughly and apply an antibiotic ointment.

WARRANTY

D.T. Systems Premium Lifetime Warranty is the best warranty offered in the industry. This warranty is free to participating U.S. customers (a completed warranty registration card must be returned within 30 days of original purchase). This changes our normal one year parts and labor warranty to a limited lifetime warranty against manufacturing defects on parts and a one year warranty on labor.

What is covered:

D.T. Systems Premium Lifetime Warranty covers all parts to be free from manufacturing defects for as long as the unit is held by the original owner.

What is not covered:

- Rechargeable batteries are only warranted against defects for one year from the original purchase date and are not part of our lifetime warranty
- Our warranty does not cover parts that malfunction due to abuse, misuse, improper maintenance, or incorrect handling.
- Damage from dogs chewing or wear and tear from excessive field use is not covered.
- Our warranty does not cover the cost of shipping the unit to our repair center. Return ground shipping (inside the continental United States) to the customer is covered. However, expedited or special shipping is not covered, but available by request for an extra shipping fee. International shipping charges are not covered.

WARRANTY

How the Limited Lifetime Warranty works:

- To qualify for the Warranty you must fill out the warranty registration card which came with your system and mail it (with your original sales receipt) to D.T. Systems within 30 days of purchase.
- There is no charge for parts or labor for the first year on any of our lifetime warranty products.
- When the product's labor warranty expires after the first year, there will be a normal labor charge for any repair under the lifetime warranty program should your system be in need of service. Labor charges will vary depending on: 1) the system model and 2) the severity of the repair needed.
- Any defective manufactured part or parts that need replacement will be free during the lifetime warranty period.

FCC COMPLIANCE

Your **H_2O *PLUS* Series** ™ has been manufactured under complete compliance with the Federal Communication Commission (FCC). The complex internal structure of each product has been designed to operate within specific regulations of FCC specifications. Any unauthorized modifications to your product is a violation of these specifications.

The **H_2O *PLUS* Series** ™ has been made with State of the Art equipment. Any fine adjustment should be performed only by D.T. Systems' technicians.

D.T. Systems, Inc.

2872 Walnut Hill Lane
Dallas, Texas 75229
Tel: (214) 350-9446, (888) 588-8364
Fax: (214) 350-7847
Website: www.dtsystems.com
E-mail: customerservice@dtsystems.com

1-H_2O *PLUS*
2009.09.16

Printed in Korea